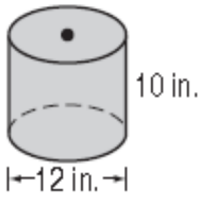
TARGET B

Name_____**Date**_____

Find the area of the base, lateral area, surface area, and volume for each cylinder. ***Leave all answers in terms of π!***

1.



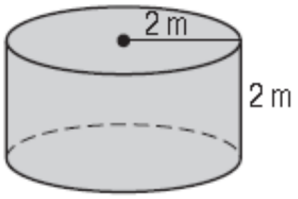
Area of base = _____

LA = _____

SA = _____

Volume = _____

2.



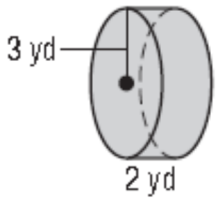
Area of base = _____

LA = _____

SA = _____

Volume = _____

3.



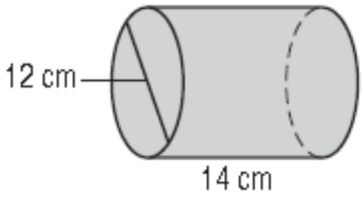
Area of base = _____

LA = _____

SA = _____

Volume = _____

4.



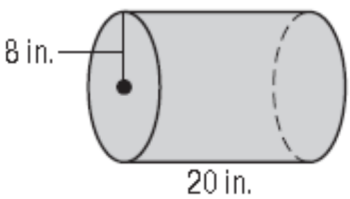
Area of base = _____

LA = _____

SA = _____

Volume = _____

5.



Area of base = _____

LA = _____

SA = _____

Volume = _____

TARGET B (ANSWERS)

1. area of base = 36π in^2

LA = 120π in^2

SA = 192π in^2

V = 360π in^3

2. area of base = 4π m^2

LA = 8π m^2

SA = 16π m^2

V = 8π m^3

3. area of base = 9π yd^2

LA = 12π yd^2

SA = 30π yd^2

V = 18πyd^3

4. area of base = 36π cm^2

LA = 168π cm^2

SA = 240π cm^2

V = 504π cm^3

5. area of base = 64π in^2

LA = 320π in^2

SA = 448π in^2

V = 1280π in^3